



Visiting Professor Program Academic Year 2023/2024

TEACHING COMMITMENT: 20 hours

COURSE TITLE

Clinical Medicine II and Therapeutics

TEACHING PERIOD

1st term

SCIENTIFIC AREA

Veterinary Internal Medicine

LANGUAGE USED TO TEACH

Italian

COURSE SUMMARY

The course covers the following topics:

- digestive diseases of small animals and horses (oral cavity, stomach, small and large intestine, liver and pancreas, diseases of the forestomachs and stomach of ruminants),
- endocrine disorders (hypo- and hyperadrenocorticism, hypo- and hyperthyroidism, diabetes insipidus, diabetes mellitus, hypoglycemic syndrome, EMS and PPID in the horse),
- hematology in dogs, cats and horses,
- immune-mediated diseases of companion animals,
- diseases of the integumentary system (allergic, bacterial, endocrine, autoimmune diseases) of dog and cat,
- diseases of the nervous system (brain, spinal cord and nerves),
- metabolic diseases in ruminants (ketosis, lipomobilization syndrome, puerperal hypocalcemia, acute ruminal acidosis and chronic),

- diseases of the musculoskeletal system (myopathies of cattle, swine and horses, myositis in dog),
- equine respiratory diseases (lung and lower airways).

Differential diagnosis in: acute and chronic vomiting, acute and chronic diarrhoea, jaundice, itching, alopecia, convulsive syndromes, weight loss (horse), dyspnea (horse), anemia (horse).

Population medicine: mainly for bovine and horse (clinical approach, evaluation of risk factors, record keeping, diagnosis of causes, implementation of collective intervention measures).

Medical therapy (and/or preventive strategies to be implemented) for all the pathological conditions described.

LEARNING OBJECTIVES

At the end of the course, the proficient student will know:

- the pathogenetic mechanisms and clinical signs of the major internal medicine disorders in small animals and equines, related to the body systems listed in the program, also including metabolic diseases of farm animals;
- the basic knowledge to formulate the diagnostic work up both for individual and for group/herd problems, proposing appropriate diagnostic test/tools (using a "problem oriented approach");
- the therapeutic options for the treatment of the main medical diseases encountered, including drug dosage(s), route(s) of administration, mechanism(s) of action and adverse effects.

TUTORSHIP ACTIVITIES

N/A

LAB ACTIVITIES

Clinical activities are a consistent part of the course (Clinical Rounds), which can be supported by or complemented with Lab activities in the newborn Skill Lab of our Department.

OTHER ACTIVITIES BESIDES THE COURSE

N/A

VISITING PROFESSOR PROFILE

The visiting professor will have to be an experienced equine internal medicine clinician, appointed an ECEIM or ACVIM-LA (Equine) diploma. Italian language skills are required for teaching activities during Clinical Rounds.

CONTACT REFERENT

Michela Bullone
michela.bullone@unito.it